

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A phosphor comprising a fluorescent substance A¹ containing a compound represented by the following formula (I) and at least one activator selected from the group consisting of Eu and Mn, and a fluorescent substance B¹ containing an aluminate;



wherein in the formula (I),

M¹ is at least two selected from the group consisting of Ca, Sr and Ba, or Ca alone or Ba alone;

M² is at least one selected from the group consisting of Mg and Zn;

M³ is at least one selected from the group consisting of Si and Ge;

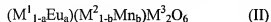
0.5 ≤ m ≤ 3.5; and

0.5 ≤ n ≤ 2.5; and

wherein the weight ratio of fluorescent substance A¹/fluorescent substance B¹ is from 5/95 to 95/5.

2. (canceled):

3. (currently amended): The phosphor according to claim 1 or 2, wherein the fluorescent substance A¹ is a compound represented by the following formula (II):



wherein ~~in the formula (II),~~

M¹ is at least two selected from the group consisting of Ca, Sr and Ba, or Ca alone or Ba alone;

M² is at least one selected from the group consisting of Mg and Zn;

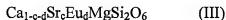
M³ is at least one selected from the group consisting of Si and Ge;

$0 \leq a \leq 0.5$;

$0 \leq b \leq 0.5$; and

$0 < a + b$.

4. (currently amended): The phosphor according to claim 1 ~~or 2~~, wherein the fluorescent substance A¹ is a compound represented by the following formula (III):

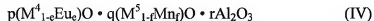


wherein ~~in the formula (III),~~

$0 \leq c \leq 0.1$; and

$0 < d \leq 0.1$.

5. (currently amended): The phosphor according to ~~any of claims 1-4~~ claim 1, wherein the aluminate is a compound represented by the following formula (IV):



wherein ~~in the formula (IV),~~

M⁴ is at least one selected from the group consisting of Ca, Sr and Ba;

M⁵ is at least one selected from the group consisting of Mg and Zn;

$$0.5 \leq p \leq 1.5;$$

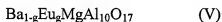
$$0.5 \leq q \leq 1.5;$$

$$4.5 \leq r \leq 5.5;$$

$$0 < e \leq 0.5; \text{ and}$$

$$0 < f \leq 0.1\}.$$

6. (currently amended): The phosphor according to ~~any of claims 1-4~~claim 1, wherein the aluminate is a compound represented by the following formula (V):



~~wherein~~in the formula (V),

$$0 < g \leq 0.3\}.$$

7. (currently amended): The phosphor according to ~~any of claims 1-6~~claim 1, wherein the fluorescent substance B¹ is in form of particles and D_B¹ that is the average primary particle diameter of the fluorescent substance B¹ is 0.2-5 times D_A¹ that is the primary particle diameter of the fluorescent substance A¹.

8. (canceled).

9. (currently amended): A phosphor paste comprising the phosphor according to ~~any of claims 1-8~~claim 1, a solvent and a binder.

10. (new): A vacuum ultraviolet excited light-emitting device comprising the phosphor according to claim 1.